BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 25.00Lakhs

Name of Work:-Providing asphalting to main and cross roads of SFS 407 near Ganesha temple in Attur ward no-03.

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Removing B.S slab of drain and stacking (P.No 25 I.No 5.32)	sqm							
5th crosss road from 3rd main road to 1st A main roafd		2	156.00	1.20		374.40		
1st A main road from 7th cross road to 6th cross road		1	133.00	1.20		159.60		
		1	133.00	1.00		133.00		
						667.00		
	Deduct 15%of Missing slabs qty					100.05		
Basic Rate	62.00					566.95	65.72	37260.00
Area Weightage @ 6%	3.72							
Total	65.72							
Refixing stone slabs of drains and pointing in CM(1:3)(P.No 25 I.No 5.33)	Sqm							
		Vide Item No. 1				566.95	80.56	45673.00
Basic Rate	76.00							
Area Weightage @ 6%	4.56							
Total	80.56							
Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick(P.No 25 I.No 5.31.1)	sqm							
	15%of Missing slabs qty					100.05	665.68	66601.00
Basic Rate	628.00							
Area Weightage @ 6%	37.68							
Total	665.68							
KSHRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no138, P	Cum							
Page No 142, I.No 19.1 od KPWD S R 2016-17)								
5th crosss road from 3rd main road to 1st A main roafd		2	156.00	0.80	0.60	149.76		

main road from 7th cross road to 6th cross road		2	133.00	0.50	0.40	53.20		
A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		2	90.00	0.55	0.40	39.60		
cross road from 3rd cross road to		2	70.00	0.50	0.40	28.00		
B main cross road from 3rd cross		2	30.00	0.60	0.45	16.20		
B main road from 6th cross road		2	243.00	0.50	0.60	145.80		
main road (SL Byrappa) from 4th		2	20.00	0.55	0.45	9.90		
		2	165.00	0.60	0.55	108.90		
						551.36	86.92	47924.00
Basic Rate	82.00							
Area Weightage @ 6%	4.92							
Total	86.92							
Providing precast slab of 100 mm thick incldluing cost of all materials, labour curing transporation, loading , unloading etc.., complete as per direction of engineering in charges	Sqm							
(Page No 142, I.No 19.1 od KPWD S R 2016-17)								
Damaged Portion		148	0.90	0.60		79.92	1498.00	119720.00
KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m complete as per specifications. MORTH Specification No.301	Cum							
(Page No 143, I.No 19.14 oF KPWD S R 2016-17)								
cross road from 3rd main road to 1st A Main road		2	156.00	0.80	0.40	99.84		
A main road from 7th cross road to 6th cross road		2	133.00	0.60	0.40	63.84		
A main road from 7th cross road to 6th cross road		2	70.00	1.00	0.40	56.00		
		2	30.00	1.00	0.40	24.00		
main road (Sl Byrappa) from 4th main road to dead end		2	165.00	0.50	0.40	66.00		
						309.68	48.76	15100
Basic Rate	46.00							
Area Weightage @ 6%	2.76							
Total	48.76							

KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with	Cum							
(Page No 158, I.No 20.18 od KPWD S								
5th cross road from 3rd main road to		2	156.00	0.80	0.20	49.92		
1st A main road from 7th cross road to 6th cross road		2	133.00	0.60	0.20	31.92		
2nd cros from main road to 3rd B main		2	70.00	1.00	0.20	28.00		
		2	30.00	1.00	0.20	12.00		
2nd main road (SL. Byrappa) from 4th main road to dead end		2	165.00	0.50	0.20	33.00		
						154.84	1768.08	273770.00
Basic Rate	1668.00							
Area Weightage @ 6%	100.08							
Total	1768.08							
KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	sqm							
(Page No 161, I.No 20.18 od KPWD S R 2016-17)								
5th cross road from 3rd main road to 1st A Main road		2	156.00	0.80		249.60		
1st A main road from 7th cross road to 6th cross road		2	133.00	0.60		159.60		
1st A main road from 7th cross road to 6th cross road		2	70.00	1.00		140.00		
		2	30.00	1.00		60.00		
2nd main road (Sl Byrappa) from 4th main road to dead end		2	165.00	0.50		165.00		
						774.20	27.56	21337.00
Basic Rate	26.00							
Area Weightage @ 6%	1.56							
Total	27.56							

KSHRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm							
Page No 161, I.No 21.2 KPWD SR 2016-17								
5th crosss road from 3rd main road to 1st A main roafd		1	156.00	3.85		600.60		
1st A main road from 7th cross road to 6th cross road		1	133.00	3.20		425.60		
3rd A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		1	90.00	5.50		495.00		
3rd cross road from 3rd cross road to 6th cross road		1	70.00	3.00		210.00		
3rd B main cross road from 3rd cross road to 6th cross road		1	30.00	4.50		135.00		
1st B main road from 6th cross road		1	243.00	4.30		1044.90		
2nd main road (SL Byrappa) from 4th main road to dead end		1	20.00	4.70		94.00		
		1	165.00	3.10		511.50		
						3516.60	3.18	11183.00
Basic Rate	3.00							
Area Weightage @ 6%	0.18							
Total	3.18							
KSHRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 5 kg per 10 sqm. heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm							
Page No 161, I.No 21.7 KPWD SR 2016-17								
5th crosss road from 3rd main road to 1st A main roafd		1	156.00	5.45		850.20		
1st A main road from 7th cross road to 6th cross road		1	133.00	4.30		571.90		
3rd A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		1	90.00	5.50		495.00		
3rd cross road from 3rd cross road to 6th cross road		1	70.00	5.00		350.00		

3rd B main cross road from 3rd cross road to 6th cross road		1	30.00	4.50		135.00		
1st B main road from 6th cross road		1	243.00	4.30		1044.90		
2nd main road (SL Byrappa) from 4th main road to dead end		1	20.00	4.70		94.00		
		1	165.00	3.10		511.50		
						4052.50	11.66	47252.00
Basic Rate	11.00							
Area Weightage @ 6%	0.66							
Total	11.66							
KSRRB M500-17. Providing and laying dense graded bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.7 complete in all respects as per specifications. Bitumen 80/100	Cum							
Page No 163, I.No 21.17.6 KPWD SR 2016-17								
Widening								
5th crosss road from 3rd main road to 1st A main roafd		2	156.00	0.60	0.050	9.36		
1st A main road from 7th cross road to 6th cross road		2	133.00	0.55	0.050	7.32		
3rd cross road from 3rd cross road to 6th cross road		2	70.00	0.60	0.050	4.20		
		2	30.00	0.60	0.050	1.80		
2nd main road (SL Byrappa) from 4th main road to dead end		2	165.00	0.35	0.050	5.78		
20% of Profile correction		1	4052.500	810.500	0.050	40.53		
						68.98	6435.26	443872.00
Basic Rate	6071.00							
Area Weightage @ 6%	364.26							
Total	6435.26							

KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509	Cum							
Page No 165, I.No 21.22.6 KPWD SR 2016-17								
5th crosss road from 3rd main road to 1st A main roafd		1	156.00	5.45	0.030	25.51		
1st A main road from 7th cross road to 6th cross road		1	133.00	4.30	0.030	17.16		
3rd A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		1	90.00	5.50	0.030	14.85		
3rd cross road from 3rd cross road to 6th cross road		1	70.00	5.00	0.030	10.50		
3rd B main cross road from 3rd cross road to 6th cross road		1	30.00	4.50	0.030	4.05		
1st B main road from 6th cross road		1	243.00	4.30	0.030	31.35		
2nd main road (SL Byrappa) from 4th main road to dead end		1	20.00	4.70	0.030	2.82		
		1	165.00	3.85	0.030	19.06		
Basic Rate	6859.00					125.29	7270.54	910908.00
Area Weightage @ 6%	411.54							
Total	7270.54							

Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm							
Page No 185, I.No 24.15 of KPWD SR 2016-17)								
5th crosss road from 3rd main road to 1st A main roafd		2	156.00	0.10		31.20		
1st A main road from 7th cross road to 6th cross road		2	133.00	0.10		26.60		
3rd A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		2	90.00	0.10		18.00		
3rd cross road from 3rd cross road to 6th cross road		2	70.00	0.10		14.00		
3rd B main cross road from 3rd cross road to 6th cross road		2	30.00	0.10		6.00		
1st B main road from 6th cross road		2	243.00	0.10		48.60		
						144.40	542.72	78369.00 ✓
Basic Rate	512.00							
Area Weightage @ 6%	30.72							
Total	542.72							
Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.(pwd sr 2016-17,.n o25 5.30)	Nos							
5th crosss road from 3rd main road to 1st A main roafd		2	156.00			312.00		
1st A main road from 7th cross road to 6th cross road		2	133.00			266.00		
3rd A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		2	90.00			180.00		

3rd cross road from 3rd cross road to 6th cross road		2	70.00			140.00		
3rd B main cross road from 3rd cross road to 6th cross road		2	30.00			60.00		
1st B main road from 6th cross road		2	243.00			486.00		
						1444.00		
						3208.89		
		Consider,25% of Quantity				802.22		
					Say	802.00	331.78	266087.56
Basic Rate	313.00							
Area Weightage @ 6%	18.78							
Total	331.78							
KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications (Page No 121, Item No 15.80)								
5th crosss road from 3rd main road to 1st A main roafd		2	156.00		0.45	140.40		
1st A main road from 7th cross road to 6th cross road		2	133.00		0.45	119.70		
3rd A main road (D R Bendre road) from Balle Balle punjab hotel road to 3rd cross road		2	90.00		0.45	81.00		
3rd cross road from 3rd cross road to 6th cross road		2	70.00		0.45	63.00		
3rd B main cross road from 3rd cross road to 6th cross road		2	30.00		0.45	27.00		
1st B main road from 6th cross road		2	243.00		0.45	218.70		
						649.80	27.56	**17908.00**
Basic Rate	26.00							
Area Weightage @ 6%	1.56							
Total	27.56							

KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats (exluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after throughly cleaning oil, dirt, dust other foreign matter and sand papering including cost of materials, labour, complete as per specifications Page No 131, Iem No 15.83)	Sqm							
				Quantity vide item no.9			649.80	
							649.80	53.00	34439.00
Basic Rate	50.00							
Area Weightage @ 6%	3.00							
Total	53.00							
Lead of disposal of earth shall be payable at carriage rates (Lead & Lift) by mechanical means icluding loading and unlaoding upto 7 kms	Cum							
(Refer Table Page No 140)								
				Quantity vide item no.4+6			861.04	
							861.04	72.08	62064.00
Basic Rate	68.00							
Area Weightage @ 6%	4.08							
Total	72.08							
Miscellaneous charges	L/S							532.44
							Total RS	2500000.00
(Rupees Twenty five lakh only)								

Certificate

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per C.S.R. of 2016-17
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

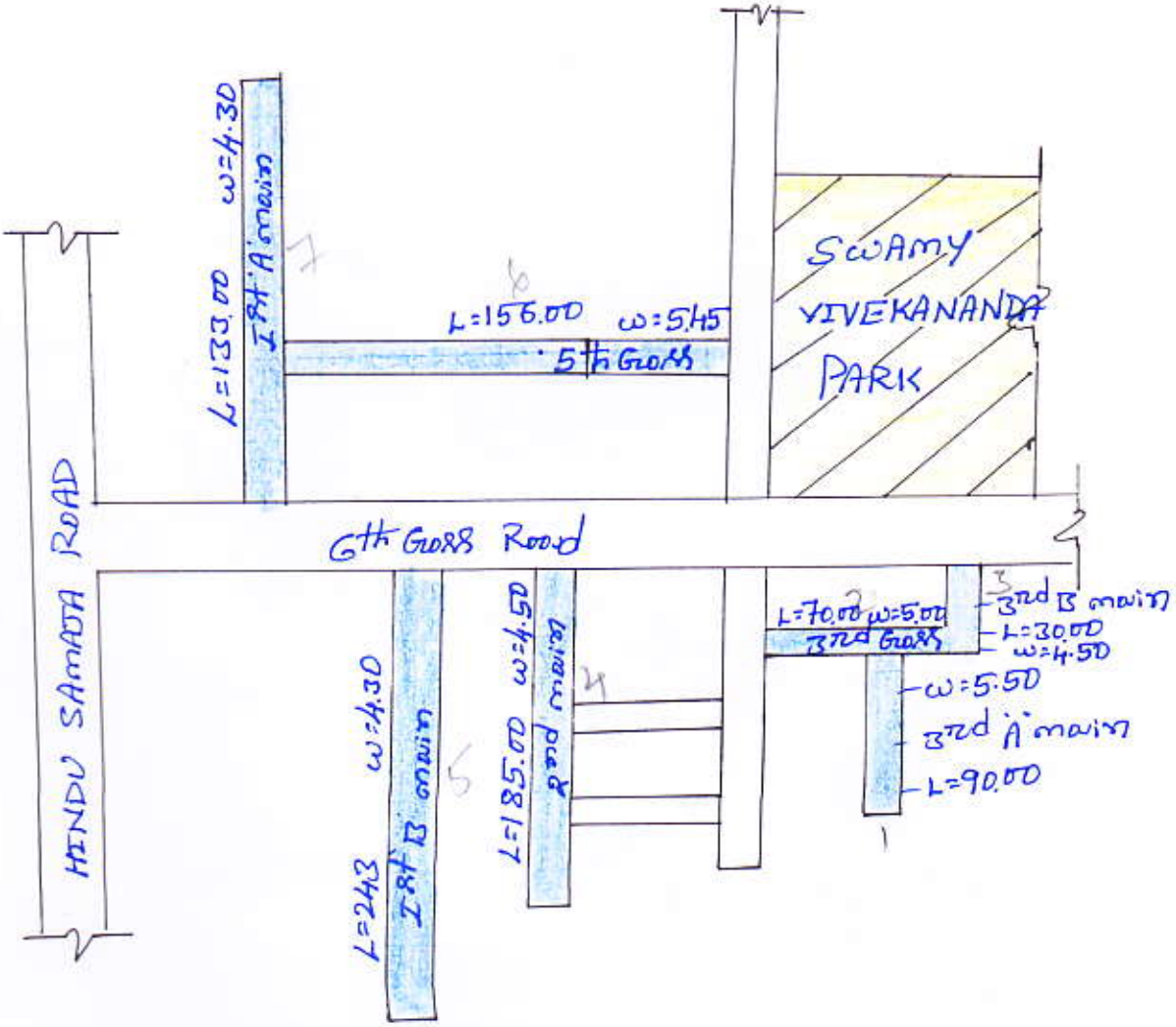
Administrative Approval
Accorded For 25.00 lakhRs.
Head of A/C..... P 1771
CER NO :..... 191 Dt:.. 16.2.17

TA CE (YNK)

Technical Sanction
Accorded For 25.00 lakhRs.
Head of A/C..... P 1771
CER NO :..... 139 Dt:.. 16.2.17

TA CE (YNK)

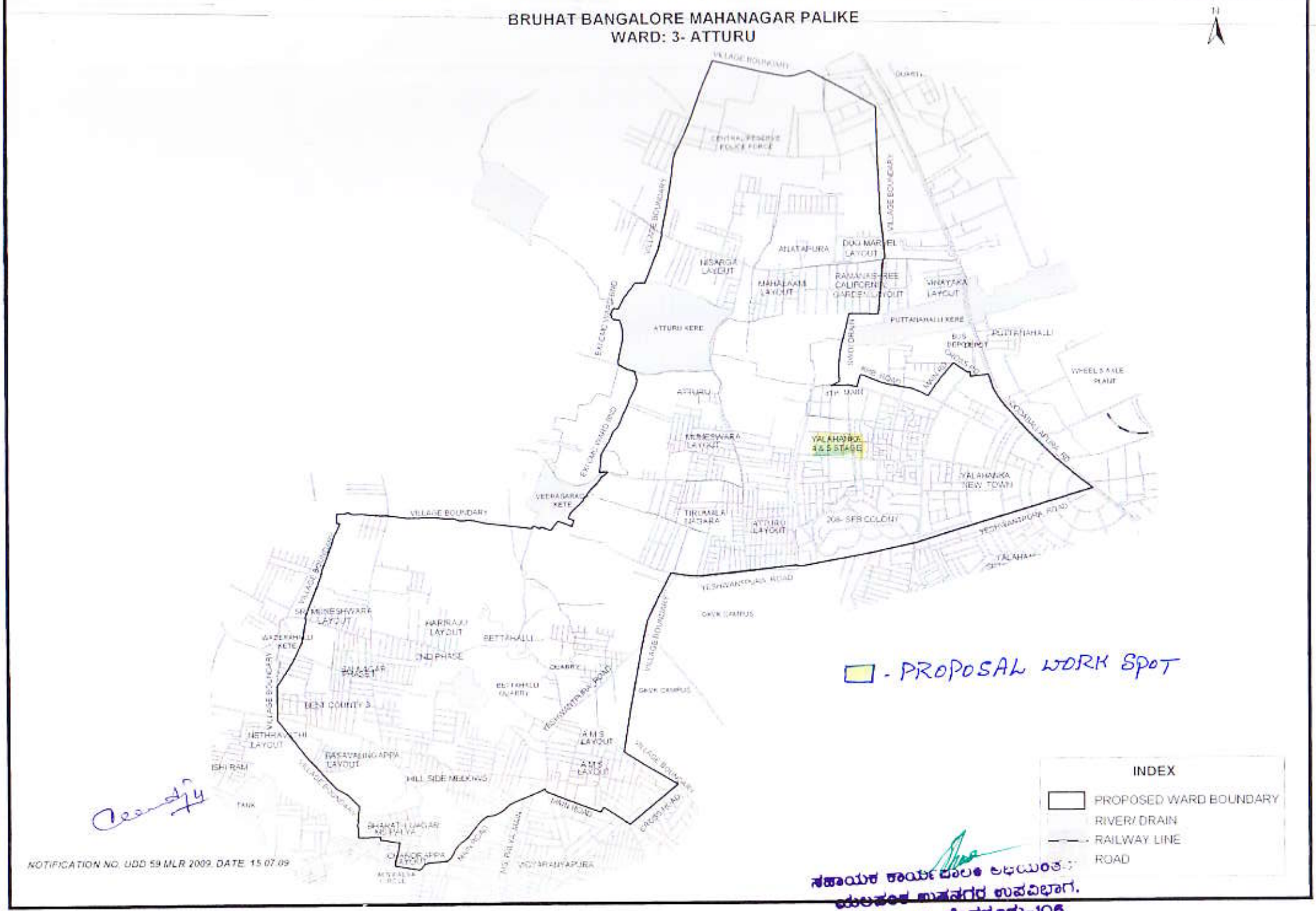
Name of works:- Providing asphalting to main and Cross roads of SFS 407 near Ganesha Temple in Attur ward no-03.



Accepted

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜ.ಜ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-106

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 3- ATTURU



- PROPOSAL WORK SPOT

NOTIFICATION NO. UDD 59 MLR 2009, DATE: 15.07.09

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಲಿಪಿಯಂತ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106